

**MINUTES**  
**OF**  
**THE UTAH RADIATION CONTROL BOARD**

**May 4, 2007**

**Department of Environmental Quality, DEQ Building #2**

**Conference Room 101**

**168 N 1950 W**

**Salt Lake City, Utah 84114-4850**

**BOARD MEMBERS PRESENT**

Kent J. Bradford, P.G., Chair  
Stephen T. Nelson, Ph.D., Vice Chair  
Dane L. Finerfrock, Executive Secretary  
Patrick D. Cone  
Frank D. DeRosso, MSPH, C.I.H.  
Elizabeth Goryunova, M.S.  
Peter A. Jenkins, M.S., CHP  
Joseph K. Miner, M.D., MSPH  
Gregory G. Oman, D.D.S., B.S.  
Robert S. Pattison, B.Sc.  
Joette E. Langianese, Commissioner (Attended by  
Conf. Call)

**PUBLIC**

Judy Fahys, Salt Lake Tribune  
Karen S. Langley, University of Utah  
Mark Ledoux, EnergySolutions  
Tye Rogers, EnergySolutions  
Dan Shrum, EnergySolutions

**BOARD MEMBERS ABSENT/EXCUSED**

Christine K. Gardner  
Dianne R. Nielson, Ph.D., Director of DEQ  
John W. Thomson, M.D.

**DRC STAFF/OTHER DEQ MEMBERS  
PRESENT**

David Esser, DRC Staff  
Craig Jones, DRC Section Manager  
Loren Morton, DRC Section Manager  
Yolanda D. V. Necochea, DRC Staff  
Fred Nelson, Attorney General's Office  
William (Bill) J. Sinclair, DEQ Deputy Director  
Donna Spangler, DEQ Office of Policy and  
Planning

## **GREETINGS/MEETING CALLED TO ORDER**

The Utah Radiation Control Board convened in the Department of Environmental Quality (DEQ), Conference Room 101, 168 North 1950 West (DEQ Bldg. #2, Salt Lake City, Utah, 84114-4850. Kent Bradford, Chair, called the meeting to order at 2:00 p.m. He welcomed the Board Members, and the Board Members attending by Conference call. He also welcomed the public. Chairman Bradford indicated that if the public wished to address any items on the agenda, they should sign the public sign-in sheet. Those desiring to comment would be given an opportunity to address their concerns during the comment period.

### **I. APPROVAL OF MINUTES (Board Action Item)**

#### **a. Approval of the Minutes from the April 6, 2007 Board Meeting**

Kent Bradford asked the Board for corrections to the minutes from April 6, 2007. There were no corrections to the minutes.

**MOTION MADE BY STEPHEN NELSON, TO APPROVE THE MINUTES OF APRIL 6, 2007.**

**MOTION WAS SECONDED BY JOSEPH MINER.**

**MOTION CARRIED AND PASSED UNANIMOUSLY**

### **II. RULES**

**No Items**

### **III. RADIOACTIVE MATERIALS LICENSING/INSPECTION**

**No Items**

### **IV. X-RAY REGISTRATION/INSPECTION**

#### **a. Recertification of Mammography Imaging Medical Physicists (MIMP)**

Craig Jones, X-ray Section Manager, said that the Board approved James M. Botti, M.S., as a MIMP during the April 6, 2007 Board Meeting. Mr. Jones discussed the steps taken to address the recertification of other MIMPs before their certification expired on May 31, 2007.

Mr. Jones asked the Board to consider a memorandum that identified eight individuals who were seeking recertification as MIMPs. He explained that he had reviewed the applications, and the applicants had demonstrated that they were eligible to be recertified. The individuals named in the memorandum were:

Lisa M. Bosworth, M.S.  
Byron L. Hardy, Ph.D., DABR  
Robert J. Hoffman, M.S.  
Peter A. Jenkins, M.S.

Ann M. Jones, M.S.  
Ross L. Mercer, M.S.  
Floyd H. Tuley, Ph.D.  
Gene L. Wollan, M.S.

**RECOMMENDATION:**

The Executive Secretary recommended that the Board approve each individual on the memorandum for recertification as Mammography Imaging Medical Physicists. The effective date of the approval would be from June 1, 2007 to May 31, 2008.

**QUESTIONS BY BOARD MEMBERS**

Joseph Miner asked for clarification regarding the certification expiration-date for current MIMPs.

Kent Bradford said the Executive Secretary's recommendation was to recertify the applicants on June 1, 2007, the day after the May 31, 2007 expiration date.

Mr. Jones said that in the future, the DRC would plan to discuss the recertification of MIMPs with the Board a month prior to the May 31st expiration date.

**MOTION MADE BY ELIZABETH GORYUNOVA, TO APPROVE THE INDIVIDUALS ON THE LIST FOR RECERTIFICATION AS MAMMOGRAPHY IMAGING MEDICAL PHYSICISTS AND TO MAKE THE EFFECTIVE DATE OF JUNE 1, 2007 TO MAY 31, 2008.**

**MOTION WAS SECONDED BY PATRICK CONE.**

**V. RADIOACTIVE WASTE DISPOSAL**

**a. Report from the Meeting of the Low-Level Radioactive Waste Forum**

Bill Sinclair, DEQ Deputy Director, indicated that he recently attended a meeting of the LLW Forum held March 19-20, 2007 in San Diego, California. He provided an agenda of the meeting in the Board packet. At the time of the meeting, there was breaking news on two fronts.

The first issue was related to the agreement between Governor Huntsman and EnergySolutions to limit the volume of waste coming to the site. The second issue was proposed legislation in South Carolina. Under current law, the Barnwell facility would be open to the Atlantic Compact member states of Connecticut, New Jersey, and South Carolina beginning July 1, 2008. The proposed bill, H.3545 would change this law to allow Barnwell to accept 40,000 cubic feet in fiscal years 2008-2023. This would increase the fiscal year 2008 volume from 35,000 to 40,000 cubic feet. The total volume of Class B and C low-level radioactive waste generated outside of the Atlantic Compact could range from 8,000 to 30,000 cubic feet per year, according to an estimate by the South Carolina Budget and Control Board staff and depending on the extent to which resins and filters are volume reduced through commercial services.

The proponents argued that the facility has operated safely for 36 years and that it brings much needed economic benefits to the county and state. They also raised concerns about the site viability, since the Atlantic Compact generators were expected to ship 8,000 to 14,000 cubic feet per year after 2008. The opponents, on the other hand, countered that the economic benefits were inconsequential. They pointed out that the facility has been known to leak, and the remaining capacity should be reserved for in-region generators. Benjamin Johnson, Chair of the Atlantic Compact Commission, pointed out that the Atlantic Compact and the South Carolina Budget Board have proposed several options for consideration to ensure that the site will operate after July 1, 2008 on a break-even basis.

The bill was heard before a packed house in the South Carolina Agriculture, Natural Resources, and Environmental Affairs House Committee, and it was defeated by a vote of 16-0. As a result, the legislation will not be forwarded to the full House for consideration.

## **VI. URANIUM MILL TAILINGS UPDATE**

### **a. Update and Schedule for the Review of the Denison Mines (IUC) Background Groundwater Water Quality Report**

Loren Morton, Geotechnical Services Section Manager, referred the Board to a letter dated April 3, 2007, from DRC to Denison Mines (IUC). The letter discussed the following: December 2006 background, groundwater quality for existing wells prepared by Interra Inc.; notice of planned DRC activities; proposed splits; the DRC's review schedule; and future DRC invoices.

Mr. Morton said Denison Mines (IUC) responded to DRC's letter and provided an addendum and supplemental information. DRC processed and forwarded the addendum to URS (DRC's consultants). URS is reviewing the addendum. URS will send a technical review of the addendum to DRC by July 6, 2007.

Mr. Morton said Denison Mines (IUC) has been in contact with the Division by telephone. The DRC has asked them to provide their position in writing.

#### **Comments by the Board:**

Stephen Nelson, Vice Chair, said that he had read over the proposed work plan and information from Dr. Soloman. Mr. Nelson said the Division's efforts would go a long way toward establishing whether or not there had been releases into the groundwater and in establishing background, groundwater values. Mr. Nelson complimented the Division on what it had established so far.

## **VII. OTHER DIVISION ISSUES**

### **a. Introduction of Division Staff (Board information item)**

David Esser is an engineer in the Geotechnical Services Section.  
Loren Morton is David Esser's supervisor.

- David Esser is an Environmental Engineer III for the Division
- He is originally from Wisconsin
- He graduated from UW-Platteville with two BS degrees: Environmental Engineering and Civil Engineering
- He is fairly new to Utah (only 2 years)
- His wife just had baby (a son who is 6-months old)
- Currently, he oversees the EnergySolutions Facility

### **b. Election of the Utah Radiation Control Board Chair and Vice Chair for the Period of July 1, 2007 through June 30, 2008 (Board action item)**

Kent Bradford, Chair, asked for Chair and Vice Chair nominations for the Utah Radiation Control Board.

**STEPHEN NELSON, VICE CHAIR, NOMINATED KENT BRADFORD FOR CHAIR, SECONDED BY JOSEPH MINER.**

**PATRICK CONE NOMINATED STEPHEN NELSON FOR VICE CHAIR, SECONDED BY KENT BRADFORD.**

**MOTIONS CARRIED AND PASSED UNANIMOUSLY**

### **c. Update on the Glen Canyon Sierra Club's Appeal Regarding the Decision to Allow the Denison Mines (IUC) to Receive Fansteel Material (Board Information Item)**

Dane Finerfrock, Executive Secretary, said Fred Nelson of the Attorney General's Office asked him to update the Board regarding the appeal by the Glen Canyon Group of the Sierra Club. He reported that the Glen Canyon Group of the Sierra Club did not appeal the Board's and Executive Secretary's decision to allow Fansteel material to be received at Denison Mines (IUC); therefore, the issue has ended.

**IX. OTHER ISSUES**

**The Next Scheduled Board Meeting will be June 6, 2007, DEQ Bldg #2,  
Conference Room 101, 168 North 1950 West, SLC, Utah, 2:00 – 4:00 p.m.**

**MOTION WAS MADE BY FRANK DEROSSO TO ADJOURN THE  
BOARD MEETING**

**MOTION CARRIED AND PASSED UNANIMOUSLY**

**THE BOARD MEETING ADJOURNED AT 2:22 P.M.**